

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A light source used for a projector for modulating a light irradiated from a source lamp to form an optical image in accordance with image information and enlarging and projecting the optical image, comprising:

a source lamp;

a reflector for aligning and emitting the light irradiated from the source lamp;

and

a case for accommodating the source lamp and the reflector,

wherein a light-emitting surface of the reflector is covered by a light-transmissive plate and a pair of openings is formed on a contact surface of the light-transmissive plate and the reflector, the pair of openings being symmetrically disposed around an optical axis of the reflector, and

wherein the case includes a cooling channel for introducing a cooling air to the source lamp through the pair of openings and a cooling channel shutter for shutting the cooling channel when the case is detached from the projector and for opening the cooling channel when the case is attached to the projector on ~~both the pair of the openings, and is~~ provided with a duct for guiding an air from an outside of the case to the cooling channel and/or from the cooling channel to the outside of the case.

2. (Previously Presented) The light source according to claim 1, wherein the pair of openings comprise recesses formed on the distal part of the reflector in the light-emitting direction.

3. (Previously Presented) The light source according to claim 1, wherein the pair of openings are horizontally disposed when the case is detached from the projector.

4. (Previously Presented) The light source according to claim 1, wherein the cooling channel shutter includes a lid member rotatably supported to the case for shutting an opening formed on the case and a biasing member for biasing the lid member in rotary direction.

5. (Original) The light source according to claim 1, wherein the cooling channel shutter includes a lid member slidably supported by the case for shutting an opening formed on the case and a biasing member for biasing the lid member in slide direction thereof.

6. (Canceled)

7. (Original) The light source according to claim 1, wherein a dust filter is provided on the pair of openings.

8. (Previously Presented) A projector comprising a light source according to claim 1.

9. (Previously Presented) The projector according to claim 8, further comprising a duct having an end inserted into the cooling channel shutter while being attached to the light source for introducing the cooling air into the light source.

10. (Previously Presented) The projector according to claim 9, wherein a fan for transferring the cooling air is provided on a base end of the duct.

11. (Previously Presented) The projector according to claim 9, further comprising an exhaust duct for discharging the air having cooled the inside of the light source, a base end of the duct being connected to the exhaust duct.

12. (Previously Presented) The light source according to claim 8, wherein the pair of openings comprise recesses formed on the distal part of the reflector in the light-emitting direction.

13. (Previously Presented) The light source according to claim 8, wherein the pair of openings are horizontally disposed when the case is detached from the projector.

14. (Previously Presented) The light source according to claim 8, wherein the cooling channel shutter includes a lid member rotatably supported to the case for shutting an opening formed on the case and a biasing member for biasing the lid member in rotary direction.

15. (Previously Presented) The projector according to claim 8, wherein the cooling channel shutter includes a lid member slidably supported by the case for shutting an opening formed on the case and a biasing member for biasing the lid member in slide direction thereof.

16. (Previously Presented) The projector according to claim 8, wherein the case is provided with a duct for guiding an air from an outside of the case to the cooling channel and/or from the cooling channel to the outside of the case.

17. (Previously Presented) The projector according to claim 8, wherein a dust filter is provided on the pair of openings.

**Amendments to the Drawings:**

The attached replacement drawing sheet makes changes and replaces the original Fig.

8. These changes were approved in the May 19 Office Action. An annotated marked-up drawing was provided with the Amendment filed February 25, 2003. Attachment:  
Replacement Sheet

**REMARKS**

Claims 1-5 and 7-17 are pending in this application. By this Amendment, claim 1 is amended and claim 6 is canceled.

Applicants appreciate the Office Action's indication that claim 6 contains allowable subject matter.

**I. The Claims Satisfy All Formal Requirements**

The Office Action rejects claims 12-17 due to informalities. Applicants note that claim 8 was amended in a Preliminary Amendment filed September 24, 2001. Claim 8 was amended to depend from claim 1 only. A copy of the Preliminary Amendment is attached hereto.

**II. The Claims Satisfy the Requirements of 35 U.S.C. §112, Second Paragraph**

The Office Action rejects claims 1-17 under 35 U.S.C. §112, second paragraph. Claim 1 has been amended to obviate this rejection.

**III. The Claims Define Patentable Subject Matter**

The Office Action rejects claims 1-5 under 35 U.S.C. §103(a) over JP 11-329015 to Kimura and claim 7 under 35 U.S.C. §103(a) over Kimura and further in view of USP 5,743,610 to Yajima et al. These rejections are respectfully traversed.

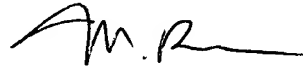
Claim 1 has been amended to incorporate the subject matter of claim 6, previously indicated as allowable. Thus, claims 1-5 and 7-17 are in condition for allowance.

**IV. Conclusion**

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-5 and 7-17 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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Attachments:

Fig. 8 Replacement Sheet  
Copy of September 24, 2001 Preliminary Amendment

Date: August 19, 2003

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